

#129



Woodward, W Elliot 1583
Oct
31

W. Elliot Woodward's

SIXTIETH SALE.

Ancient
Implements and Ornaments.

Beales-Nissley Collection.

WEDNESDAY, OCTOBER 31, 1883.

OLD AMERICA AND EUROPE.

CATALOGUE

OF THE COLLECTION OF

Pre-Historic

Stone and Copper Implements,

FORMED BY

E. V. BEALES, of MILWAUKEE, WIS.

TOGETHER WITH SELECTIONS FROM THE

Archaeological Cabinet

OF

J. R. NISSLEY, of MANSFIELD, OHIO.

To be Sold by Auction,

By Messrs. BANGS & CO.,

739 & 741 BROADWAY, NEW YORK.

On WEDNESDAY, October 31st, 1883.

THE OBJECTS ON EXHIBITION ON THE DAY OF SALE AND ON MONDAY AND TUESDAY PRE-
CEEDING, FROM TEN O'CLOCK IN THE MORNING. SALE WILL BEGIN AT TWO
O'CLOCK IN THE AFTERNOON. THE AUCTIONEERS AND ALL COIN
DEALERS WILL GIVE CAREFUL ATTENTION TO ORDERS.

Catalogue by W. Elliot Woodward.

BOSTON :

T. R. MARVIN & SON, NUMISMATIC PRINTERS.

1883.

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Correspondents are earnestly requested to forward their orders early to avoid disappointment through possible delay of the mails, and to ensure proper entry in my books before I leave home. Orders arriving late, and reaching me in New York, it is sometimes nearly impossible to arrange with proper care in season for the sale.

My address will be as below until October 27; from that date until the sale closes, care Messrs. Bangs & Co., 739-741 Broadway, New York City.

As usual, a thick, heavy, tinted, paper edition of this Catalogue has been printed for collectors.

Copies will be neatly priced as soon after the sale as practicable, and sent to order for 50 cents each.

W. ELLIOT WOODWARD.

258 Dudley Street,

Roxbury, Mass.



CATALOGUE.

SPEAR HEADS AND ARROW POINTS.

The numbers following, 1 to 34 inclusive, are from the collection of Mr. E. V. Beales, of Milwaukee, Wisconsin. Nearly all are from that State, and the greater portion of the pieces will be found neatly marked with the particular location where found. Measurements are given to these objects, and to others throughout the catalogue, within $\frac{1}{4}$ of an inch.

- 6 1 Spear Heads and Arrow Points; a very fine lot, some large. 39 pieces.
- 4 2 A similar lot; equally fine; average smaller. 40 pieces.
- 6- 3 Arrow Points, large and small: great variety in shape; fine lot. 36 pieces.
- 4 4 Arrow Points; average about 2 inches in length; a fine lot. 25 pieces.
- 6 1/2 5 Arrow Points; an extra lot, selected for uniform size, all small; a *rare* assortment. 14 pieces.
- 3 1/2 6 Arrow Points; equally fine, and of smaller average size; many are war points. 18 pieces.
- 4 1/2 7 Arrow Points; a similar lot; equally fine. 20 pieces.
- 3 1/2 8 Arrow Points, with a few Spear Heads; fine lot. 27 pcs.
- 4 9 Spear Heads and Arrow Points, the former of medium size. 12 pieces.
- 4 1/2 10 Arrow Points, one of red jasper; choice selection. 30 pcs.
- 6 11 Spear Heads; medium size, fine lot. 11 pieces.
- 4 12 Spear Heads and Arrow Points; medium size; fine lot. 16 pieces.
- 4 1/2 13 Spear Heads, and a few Arrow Points; fine. 10 pieces.
- 6 14 Arrow Points; mostly of large size; fine. 25 pieces.
- 5 1/2 15 Spear Heads; some leaf-shaped; above medium size; fine. 10 pieces.

- ³ 16 Arrow Points and small Spear Heads; a fine lot. 25 ps.
^{3 1/2} 17 Arrow Points and Spear Heads; the latter above average size; fine lot. 15 pieces.
¹³ 18 Spear Heads or Knives, one of jasper: fine, and of extra large size; average length about 4 in. 4 pieces.
⁹ 19 A similar selection of the same; good quality, size a trifle less. 7 pieces.
^{2.60} 20 Broad Spear Head, or elliptical knife; jasper; White's gravel pit, Milwaukee; perfect and remarkable. $7\frac{1}{2} \times 1\frac{3}{4}$ in.
^{1.20} 21 Immense Spear Head, or knife; chalcedony: White's gravel pit, Greenfield, Wis. Mr. Beales informs me that this piece and the two following were found together under a depth of at least 40 feet of gravel. The object was broken when found, but is neatly cemented, and, with the exception mentioned, very fine. $9\frac{1}{4} \times 2\frac{1}{2}$.
^{1.00} 22 Spear Head, or Knife, of clouded quartzite or chalcedony; point gone, broken when found; originally even finer than the last. $6\frac{1}{2} \times 2$.
^{1.00} 23 Large Spear Head; chalcedony; fragment of the point gone, but a very fine object. $6\frac{1}{2} \times 2$.
^{2.00} 24 Large Knife, or Spear Head, Bay View, near Milwaukee; twisted like a rotary arrow; perfect, and of most uncommon form. $6 \times 2\frac{1}{2}$.
^{uv} 25 Spear Head, with notched base; black chert, resembling obsidian; fine. $5\frac{1}{2} \times 2$.
² 26 Spear Head; semi-elliptical, barbed; for a piece of this magnitude a *rare form*; fine. $4\frac{3}{4} \times 2\frac{1}{2}$.
³⁰ 27 Spear Head; slate, semi-elliptical, with short stem; fine. $4 \times 2\frac{1}{2}$.
³ 28 Spear Head, with square base, barbed; fine. $3\frac{1}{4} \times 1\frac{3}{4}$.
²⁰ 29 Spear Head, Elkhorn, Wis.; barbed, one barb broken, a defect probably cotemporary with its manufacture; fine. $5 \times 1\frac{3}{4}$.
⁵⁰ 30 Spear Head, Fox Lake, Wis.; in form triangular, approaching a circle; perfect; a very pretty object. $3 \times 2\frac{1}{2}$.
²⁰ 31 Spear Head; notched, fine. $4\frac{1}{4} \times 2$.
¹⁵ 32 Spear Head; semi-elliptical; barbed and notched at the base; fine. $2\frac{3}{4} \times 1\frac{1}{2}$.
²⁰ 33 Broad Arrow Point; yellow jasper; very fine. $2 \times 1\frac{1}{4}$.
⁷⁵ 34 Bunt, with square edge; broad, shovel-shaped, remarkable for size and form; perfect. $1\frac{3}{4} \times 1\frac{3}{4}$.

The following lots to No. 103 inclusive are from the collection of Mr. J. R. Nissley of Mansfield, O. Mr. Nissley's great experience in the selections of these objects, he having already formed several important collections, led him, some time since, to adopt the rule—reject every imperfect object unless remarkable in some unusual particular. His collection of Arrow Points and Spear Heads here catalogued will be found of unusual excellence, by far the largest part of them being fine. Many are very fine, and many more are perfect. Certainly, as a whole, the condition of the pieces is of unusual excellence. Amongst them may be found specimens of about every known variety in size and form, with all the diversity of material that the region in which they were gathered supplies. Many examples deserve separate description, but their great number prevents. They are merely put into lots regardless of any requirement except that they should fill the box. They are, with perhaps no exception, from the following counties in Ohio: Seneca, Wood, Henry, Defiance, Williams, Putnam and Hancock.

A word, applicable to the preceding descriptions, as well as the following. As to a piece described as perfect, there can be no misunderstanding. The term fine is, as I make use of it, less definite. I will say that an object may fairly be called fine, though it may have some minute defect, and when the term is applied to a lot it is meant to indicate the average condition. Arrow Points as found will scarcely average a single perfect one to the hundred, but the proportion of fine ones is much larger.

- 35 Spear Head, with stem and expanding barbs; beautifully wrought, and very fine indeed. $4\frac{1}{2} \times 2$.
- 36 Oval elliptical Knife, or Spear Head; very fine, perfectly symmetrical. $5\frac{1}{4} \times 2\frac{3}{4}$.
- 37 Spear Head; laterally curved in two directions: pink jasper, cemented; a *most rare form*, and fine. $5\frac{3}{4} \times 1\frac{1}{4}$.
- 38 Spear Head; shield shape, with long stem; very fine. $3\frac{1}{4} \times 2\frac{1}{2}$.
- 39 Spear Head; pointed, with thin base; fine. $4 \times 1\frac{1}{2}$.
- 40 Spear Head, with expanding narrow stem; very fine. $5\frac{1}{2} \times 1\frac{3}{4}$.
- 41 Spear Head; barbed, deeply notched, base rounded, and with smooth edge; fine. $4\frac{1}{4} \times 2$.
- 42 Spear Head; elliptical, symmetrical, and perfect. $4\frac{1}{2} \times 1\frac{1}{2}$.
- 43 Spear Head; barbed, notched, beveled, and serrated; a *rare combination*; fine. $3\frac{3}{4} \times 1\frac{1}{2}$.
- 44 Spear Head; rude workmanship, but perfect. $4\frac{1}{4} \times 1\frac{1}{2}$.
- 45 Spear Head; semi-elliptical, with thin base, slightly chipped at the edge, near the point. $4\frac{3}{4} \times 2$.
- 46 Spear Head; clouded chert, notched, with broad, rounded base. $4 \times 1\frac{1}{2}$.

- 15- 47 Spear Head; barbed and serrated, one barb slightly imperfect; fine. $3\frac{1}{4} \times 1\frac{1}{2}$.
 20- 48 Spear Head; narrow shield form with narrow stem, irregularly barbed; fine. 4×2 .
 " 49 Spear Head: barbed, with notched base; fine. $3\frac{3}{4} \times 2$.
 2- 50 Spear Head; triangular, with rounded base; beveled, finely wrought; perfect; $3\frac{1}{4} \times 1\frac{3}{4}$.
 " 51 Arrow Point: purple jasper; perfect. $2\frac{1}{2} \times 1\frac{3}{4}$.
 20- 52 Implement of unknown use, perhaps a knife or scraper, with broad, rounded base and curving toward the point, which is broken; a *rare* and remarkable form. $2\frac{1}{2} \times 1\frac{1}{2}$.
 " 53 Small Spear Point, barbed and contracted on both sides near the middle; a singular form: fine. $3\frac{1}{4} \times 1\frac{1}{4}$.
 25- 54 Bunt; nearly square; fine. $1\frac{1}{4} \times 1\frac{1}{4}$.
 10- 55 Arrow Point of chalcedony; very thin, barbed and nearly triangular; one barb broken, still desirable as a very uncommon form. $1\frac{1}{2} \times 1\frac{1}{4}$.
 13 56 Arrow Point; body triangular, base broad and nearly square; a scarcely known form; fine. $2 \times 1\frac{1}{4}$.
 2- 57 Arrow Points; shield shape, with long stem; very fine. $2\frac{3}{4} \times 1\frac{1}{2}$.
 " 58 Spear Head: semi-elliptical, thin base; very good. $4 \times 1\frac{3}{4}$.
 " 59 Bunt with round point, notched; pink jasper; very fine. $2\frac{3}{4} \times 1\frac{1}{2}$.
 2- 60 Spear or Arrow Point; barbed, with expanding base; thin, fine. $2\frac{1}{2} \times 1\frac{1}{4}$.
 " 61 Large Knives and Spear Heads, one of the latter $5\frac{1}{2}$ in. long: a good lot. 6 pieces.
 U- 62 Spear Heads and Arrow Points; a very fine lot. 16 pcs.
 " 63 Spear Heads with a few Arrow Points; various sizes, large to very small; fine lot. 18 pieces.
 4- 64 Arrow Points; a few medium-sized Spear Heads; a fine lot. 30 pieces.
 6- 65 Spear Heads: fine selection. 8 pieces.
 U- 66 Arrow Points; average large size; very fine lot. 33 pcs.
 U 67 Arrow Points; larger than the last; very fine lot. 32 pcs.
 2- 68 Arrow Points; a similar selection. 30 pieces.
 U 69 Arrow Points: another lot of equally good quality. 30 pieces.
 U- 70 Arrow Points: medium and small size; fine lot. 32 pcs.

- $\frac{4}{1}$ 71 Arrow Points and Spear Heads; very fine lot. 20 pieces.
 $\frac{3}{4}$ 72 Another selection, mostly Spear Heads; fine. 16 pieces.
 $\frac{3}{1}$ 73 Arrow Points, with a few Spear Heads; fine lot. 25 pcs.
 $\frac{2}{2}$ 74 Selection similar to the last; equally good. 30 pieces.
 $\frac{1}{1}$ 75 Spear Heads, with a few Arrow Points; fine. 18 pieces.
 $\frac{3}{4}$ 76 Arrow Heads, with a few of the smaller Spear Points; fine lot. 24 pieces.
 $\frac{1}{1}$ 77 Spear Heads and Arrow Points; one of the former leaf-shaped and fine; fine lot. 20 pieces.
 $\frac{6}{1}$ 78 Spear Points; mostly fine. 10 pieces.
 $\frac{3}{2}$ 79 Spear Points and Arrow Heads; very good lot. 17 pcs.
 $\frac{3}{1}$ 80 Another lot; fine. 20 pieces.
 $\frac{3}{2}$ 81 Broad Spear Points, etc.; fine lot. 18 pieces.
 $\frac{1}{1}$ 82 Another selection; very good.
 $\frac{1}{1}$ 83 Arrow Points; various sizes; fine lot. 25 pieces.
 $\frac{4}{1}$ 84 Arrow Points, with a few small Spear Heads; fine lot. 25 pieces.
 $\frac{4}{2}$ 85 Lot similar to the last; equally fine. 25 pieces.
 $\frac{4}{1}$ 86 Arrow Points with a few good Spear Heads. 16 pcs.
 $\frac{3}{1}$ 87 Lot similar to the last; fine. 24 pieces.
 $\frac{4}{1}$ 88 Spear Heads and Arrow Points, some of uncommon form; fine lot. 20 pieces.
 $\frac{3}{2}$ 89 Another good lot, similar to the last. 20 pieces.
 $\frac{4}{1}$ 90 Spear Heads and Arrow Points; fine lot, some very fine. 20 pieces.
 $\frac{3}{4}$ 91 Spear Heads, a few Arrow Points; a fine lot. 22 pieces.
 $\frac{3}{2}$ 92 Another selection, equally good. 18 pieces.
 $\frac{3}{2}$ 93 Another lot; very fine. 16 pieces.
 $\frac{3}{1}$ 94 A lot selected on account of their unusual form and excellent quality; the most desirable lot yet offered, comprising serrated, beveled, barbed, notched base, expanding base, and various other forms. 20 pieces.
 $\frac{10}{1}$ 95 Spear Heads and Knives, all of large size. 5 pieces.
 $\frac{10}{6}$ 96 Another lot like the last; very good. 5 pieces.
 $\frac{10}{6}$ 97 Bunts and scrapers: 12 of the former; bunts are at least one hundred times as rare as Arrow Points; all fine. 20 pcs.
 $\frac{2}{1}$ 98 Spear Heads and Arrow Points; though all are slightly imperfect, the lot is desirable, as each piece was retained for a reason. 20 pieces.
 $\frac{2}{2}$ 99 Of the same class as the last. 14 pieces.

- $\frac{2}{2}$ 100 A similar selection. 14 pieces.
 2 101 Another lot of the same quality, equally desirable. 15 ps.
 $\frac{2}{4}$ 102 Similar quality, of larger size. 7 pieces.
 $\frac{2}{2}$ 103 Another lot, averaging of smaller size; some uncommon forms, and the imperfections are usually slight. 39 pieces.

The six lots next following are all of beautiful white quartz, some slightly tinted, and are from the valley of the Susquehanna in Pennsylvania. They are from the Ralston and Pennypacker collections.

- 3 104 Arrow Points; all fine. 15 pieces.
 6 105 Arrow Points; all fine. 15 pieces.
 10 106 Arrow Points and one Spear Head; fine lot. 15 pieces.
 6 107 Arrow Points; some small; fine. 15 pieces.
 8 108 Arrow Points; medium and small size; fine lot. 14 pcs.
 11 109 Spear Heads; very scarce, all fine. $2\frac{3}{4}$ x $3\frac{3}{4}$ in. 7 pcs.
 $\frac{5}{2}$ 110 Arrow Points, W.Va.; chalcedony, chert, etc.; all fine. 10 pieces.
 $\frac{7}{2}$ 111 Arrow Points; white quartz, some tinted; fine lot. 16 pieces.
 $\frac{10}{2}$ 112 Arrow Points; great variety in form and material, some of jasper, from various southern states; a fine lot. 15 pieces.
 7 113 Arrow Points; similar quality, some serrated; from the South and West; a fine lot. 14 pieces.
 8 114 Spear Heads, of medium size; an extra fine lot from N. C. and other Southern States. 10 pieces.
 $\frac{8}{2}$ 115 Arrow Points of divers forms and materials; extra fine lot, from various Southern States. 16 pieces.
 1.41 116 Spear Head; light stone, resembling feldspar; semi-elliptical, narrowing toward the base, which is notched, serrated, and of beautiful workmanship; Franklin Co., Mo. $4\frac{3}{4}$ x $1\frac{1}{2}$.

ARROW POINTS, ETC., FROM THE NORTHWEST.

The following objects to No. 155 inclusive, are all from Oregon and the Northwest coast. They are alike remarkable for their minute size, for fine workmanship and beautiful material. The Arrow Points are much sought after for jewelry: being used for neck-laces and other articles of personal adornment. Some are found of exquisite beauty, made from agate, carnelian, and other semi-precious stones. These are readily sold at

from \$1 to \$5 each, and can no longer be obtained in quantity at any price: an unlimited order, which I gave more than a year ago, has brought me less than two dozen, and those of inferior quality: at present the supply of all the finer varieties appears to be exhausted, and unless new sources of supply are opened, these objects will become unattainable. The following are of the best quality that can now be procured.

- 18 117 Jewelry Points; carnelian and other fine materials, of unusually large size, one exceeding $1\frac{1}{4}$ in. in length; fine. 20 pieces.
- 10 118 Jewelry Points; smaller size, greater variety and material; fine. 20 pieces.
- 10 119 Jewelry Points: nearly all obsidian, and of smaller size than the preceding: fine. 20 pieces.
- 13 120 Jewelry Points; agate, chalcedony, etc.; a fine lot, of small or medium size. 20 pieces.
- 8 121 Jewelry Points; large and small, one of beautiful variegated stone; a fine lot. 20 pieces.
- 9 122 Jewelry Points; mostly of obsidian; fine. 24 pieces.
- 6 123 Jewelry Points; of good workmanship, but not so fine material, still a fine lot. 20 pieces.
- 8 124 Jewelry Points; light and dark, some serrated. 20 ps.
- 3 125 Jewelry Points; of good form and excellent workmanship, but of more ordinary material; very fine. 20 pieces.
- 8 126 Jewelry Points; some of *rare* form; all fine. 20 pcs.
- 3 127 Jewelry Points; obsidian, carnelian, etc.; fine lot. 20 ps.
- 3 128 Jewelry Points; as fine as the last, of smaller size. 20 pieces.
- 6 129 Jewelry Points; great variety; fine. 34 pieces.
- 8 130 Arrow Points; of fine materials and of extra large size. 10 pieces.
- 3 131 Arrow Points; a lot of the same quality as the last, one being $1\frac{3}{4}$ in length; a remarkable size. 8 pieces.
- 20- 132 Arrow Points; jasper; large and very fine. 2 pieces.
- 4 133 Arrow Points; a very good lot. 20 pieces.
- 3 134 Arrow Points; a lot fully equal to the last. 20 pieces.
- 3 135 Arrow Points; of the same good quality. 25 pieces.
- 3 136 Arrow Points; another lot like the last, of smaller size. 25 pieces.
- 3 137 A similar selection; equally good. 25 pieces.
- 3 138 Arrow Points; another lot of the same quality. 20 pcs.
- 3 139 Arrow Points; a lot as good as the last. 25 pieces.

- 4 140 Arrow Points; a lot smaller in size, and better quality than the preceding. 25 pieces.
- U- 141 Arrow Points, Oregon: points of the largest size, some exceeding 2 inches in length. 20 pieces.
- " 142 Arrow Points; mostly long and narrow; a fine and uncommon lot. 10 pieces.
- 20- 143 Part of a large obsidian knife, showing workmanship that is not surpassed by the finest examples of Scandinavian pre-historic art; a beautiful fragment. $2\frac{1}{4} \times 1\frac{1}{4}$.
- 7 144 Arrow Points; mostly leaf shape, and of large size: a very fine and desirable lot. 10 pieces.
- 4 145 Arrow Points and Spear Heads; fine material, jasper, etc.; one nearly 3 in. long; a *rare* size for an Oregon point; an excellent lot. 7 pieces.
- 10 146 Spear Heads of jasper; one 3 in. long, the other $2\frac{1}{2}$ in. in length and curved; fine. 2 pieces.
- " 147 Scrapers from Oregon; jasper, chalcedony, etc., all fine; these scrapers are much more rare than the arrow points. 6 pieces.
- U- 148 Large, broad Arrow Points; *rare* on account of size. 4 pieces.
- 8 149 Scrapers like No. 147; fine. 6 pieces.
- 10- 150 A beautifully-wrought Point from southwestern Iowa, a fine Chalcedony Drill, Oregon, two long Arrow Points, and two crutch-shaped points, Oregon; the latter a *most rare form*. 6 pieces.
- 10 151 Scraper, and a singular-shaped Arrow Point, Oregon; fine. 2 pieces.
- 15- 152 Very large Scraper; jasper; Oregon.
- 26 153 Knife of dark jasper; closely resembles the semi-lunar knives from Northern Europe; a very uncommon form; fine. $3\frac{3}{4} \times 1\frac{1}{2}$.
- 31 154 Large jasper Spear Point, Oregon: fine.
- 26 155 Flint Drill, Oregon; fine, scarce. Length 2 in.

GROOVED AXES.

The following Axes, to No. 190 inclusive, are all from those counties in Ohio, mentioned in the note preceding No. 35.

- 52 156 Grooved Axe; groove near the head; fine. $4\frac{3}{4} \times 2\frac{3}{4}$.
- " 157 Grooved Axe; of light granite, curved laterally; very fine. $4\frac{1}{2} \times 2\frac{1}{2}$.

- 158 Grooved Axe, narrowing towards the point; though a little piece has been broken from the top, very fine. $4\frac{3}{4} \times 3$.
 159 Grooved Axe; thick top, square; fine. $4 \times 2\frac{1}{2}$.
 160 Grooved Axe; of light material, side flattened. $4 \times 2\frac{1}{2}$.
 161 Grooved Axe; one side nearly flat, the other curved; *rare form*, fine. $4 \times 2\frac{1}{2}$.
 162 Grooved Axe; nearly square; fine. $3\frac{3}{4} \times 3\frac{1}{4}$.
 163 Grooved Axe; evidently of great antiquity, broad groove near the head; fine. $4\frac{3}{4} \times 3$.
 164 Grooved Axe; broad groove close to the head, ridge below the groove, top slightly chipped, but very fine and a *very rare form*. $4\frac{1}{2} \times 2\frac{1}{4}$.
 165 Grooved Axe of granite; fine. $3\frac{3}{4} \times 2\frac{1}{2}$.
 166 Grooved Axe; sides thin; very fine. $5\frac{3}{4} \times 3$.
 167 Grooved Axe; deep, broad groove. $5\frac{1}{2} \times 3\frac{1}{4}$.
 168 Grooved Axe; narrow, edge broken. $5 \times 2\frac{1}{2}$.
 169 Grooved Axe; head contracting above the groove, granite; fine. $6 \times 3\frac{1}{4}$.
 170 Grooved Axe; small, nearly circular. $3\frac{1}{4} \times 2\frac{3}{4}$.
 171 Grooved Axe; narrow, with ridge below the groove; fine, and evidently of very great age. $4\frac{3}{4} \times 2\frac{1}{4}$.
 172 Grooved Axe; finely finished, but slightly chipped. $4 \times 2\frac{1}{4}$.
 173 Grooved Axe of small size; fine. $3\frac{1}{2} \times 2\frac{1}{4}$.
 174 Grooved Axe; another pretty little specimen. $3\frac{1}{2} \times 2\frac{1}{4}$.
 175 Grooved Axe of light material; of unusual form; fine. $4 \times 2\frac{1}{4}$.
 176 Grooved Axe; very good. $3\frac{3}{4} \times 3$.
 177 Grooved Axe of dark stone; broad groove, ridge below; fine. $4\frac{3}{4} \times 2\frac{3}{4}$.
 178 Grooved Axe; fine. $4 \times 2\frac{1}{4}$.
 179 Grooved Axe; polished, of fine grain, bluish stone, in form half semi-lunar, one side thin; fine and *rare*. $5\frac{1}{2} \times 3\frac{1}{4}$.
 180 Grooved Axe of light granite; fine. $6\frac{1}{4} \times 3$.
 181 Grooved Axe; finish and material like No. 179; fine. $5\frac{3}{4} \times 3\frac{1}{4}$.
 182 Grooved Axe; square top, narrows towards the point; fine. $5 \times 2\frac{1}{2}$.
 183 Grooved Axe; fine. $4\frac{3}{4} \times 2\frac{1}{2}$.
 184 Grooved Axe; narrow and nearly round; fine, and very ancient. $6 \times 2\frac{1}{2}$.

- 30 185 Grooved Axe; fine, but from frequent sharpening is probably reduced two-thirds in size; uncommon example. $3\frac{1}{2} \times 3$.
- 40 186 Grooved Axe, of mottled greyish stone; finely polished, but the head chipped; very desirable. $4\frac{1}{4} \times 2\frac{1}{2}$.
- 30 187 Grooved Axe; edge nearly pointed, head chipped; otherwise fine. $5 \times 3\frac{1}{4}$.
- 20 188 Grooved Axe; shows ancient repairs. $3\frac{1}{2} \times 2$.
- " 189 Grooved Axe of dark stone; top chipped, otherwise fine. $4\frac{1}{2} \times 3$. And four others, all of good quality. 5 pieces.
- 18 190 Grooved Axes; a lot, two very rude, one shows marks of secondary use as maul, or hammer, and another is, I think, the product of the industrious Flint Jack; an interesting lot. 6 pieces.

The following to No. 215 inclusive are from the collection of Mr Beales, and were all found in the State of Wisconsin. The value of the objects in Mr. Beales's collection is materially enhanced by the careful record of the place of finding which he has attached to nearly every one.

- 21 191 Grooved Axe, Muskego Lake; polished sides, thin, oval in form, deep groove with ridge below; very fine indeed, and of large size. $7\frac{1}{4} \times 4\frac{3}{4}$.
- 61 192 Grooved Axe, Milwaukee; this axe, of undoubted antiquity, is in shape one of the most remarkable I have ever met with, and so far as my observation extends, the form is unique, being long and very narrow, like the so-called post axe, but the remarkable peculiarity is a series of well-defined deep grooves with corresponding ridges extending longitudinally from the encircling groove to the edge. These are observable on one flat and the sides, the opposite flat showing one little more than rudimentary. The axe curves inward, and the groove is somewhat diagonal, with a ridge below; fine and *exceedingly rare*. 10×3 .
- 115 193 Grooved Axe, Green Bay; oblong, and of unusual size; fine. $7\frac{1}{2} \times 4\frac{1}{4}$.
- 55 194 Grooved Axe, Green Bay; oval, head a little chipped at one side; fine. $6 \times 3\frac{3}{4}$.
- 21 195 Grooved Axe, Port Washington near Milwaukee; oval, shows ancient secondary finish over the surface of both flats. I have never seen a similar axe. The top is original and perfect, but mostly to one side; very fine. $6\frac{1}{4} \times 4\frac{1}{4}$.

- 60 196 Grooved Axe, Milwaukee: flat of large size, nearly triangular; top shows very ancient fractures, which do not materially injure the object; fine. $8 \times 5\frac{1}{2}$.
- 197 Grooved Axe, Bay View; deeply grooved, sides flattened; fine. $7\frac{1}{4} \times 4\frac{1}{2}$.
- 198 Grooved Axe, Green Bay; dark material, nearly square, edge slightly chipped, the fracture is ancient. $6 \times 4\frac{3}{4}$.
- 199 Grooved Axe, Oconomowoc; oblong, of regular form, very dark material; fine. $5 \times 3\frac{3}{4}$.
- 200 Grooved Axe, Port Washington; broad, deep groove, top rounded. $5\frac{1}{2} \times 3\frac{1}{2}$.
- 60 201 Grooved Axe, Brown Deer; broad, deep, diagonal groove, with ridge below; fine. 7×3 .
- 202 Grooved Axe; fine. $5\frac{1}{2} \times 3\frac{1}{2}$.
- 45 203 Grooved Axe, Green Bay; sides flat; fine. $6 \times 3\frac{3}{4}$.
- 204 Grooved Axe, Brookfield; edge broken; v. good. $6\frac{1}{4} \times 4$. 26
- 40 205 Grooved Axe, Greenfield; very good. $5\frac{1}{2} \times 2\frac{3}{4}$.
- 206 Grooved Axe, Pewaukee; large diagonal groove, head contracted; very fine. $5\frac{1}{4} \times 3$.
- 207 Grooved Axe, Hale's Corners near Milwaukee; thick, with rounded head and very deep groove, one side flattened. $5\frac{1}{2} \times 3$.
- 208 Grooved Axe, Brookfield; semi-oval, edge shows an ancient fracture. $4\frac{3}{4} \times 4$.
- 209 Grooved Axe; large groove close to the top. $5\frac{1}{2} \times 3\frac{1}{4}$.
- 210 Grooved Axe, Greenfield; edge broken. $5 \times 3\frac{1}{4}$.
- 211 Grooved Axe, Brown Deer; groove diagonal, one side ridged, a *very rare* type, the head shows an ancient break. $6\frac{1}{4} \times 3$.
- 212 Grooved Axe, Brookfield; the blade oblong, head contracted, and has an ancient break. $5\frac{1}{2} \times 2\frac{3}{4}$.
- 213 Grooved Axe, Bay View; the groove so deep as to take nearly two-thirds of the substance at that part, top polished, flats show ancient secondary work; fine. $5 \times 2\frac{3}{4}$.
- 214 Grooved Axe, Brookfield; oval, small; very fine. $4\frac{3}{4} \times 2\frac{1}{2}$.
- 215 Grooved Axe, Watertown; from a mound; fine. $3\frac{1}{2} \times 2\frac{3}{4}$.
- 216 Grooved Axe, Minn.; of nearly black stone; much worn and edge chipped, but fine. $3\frac{1}{4} \times 2\frac{3}{4}$.
- 217 Grooved Axe, Economy, Ind.; fragment broken from the top in old times; fine. $6\frac{1}{4} \times 3$.
- 218 Grooved Axe, Wayne Co., Ind.; of green porphyry; fine. $6\frac{1}{4} \times 3$.

- ~~20~~ 219 Grooved Axe, Economy, Ind.; small; v. good. $2\frac{1}{4} \times 2\frac{1}{2}$.
~~20~~ 220 Grooved Axe, Economy, Ind.; very good. $6 \times 3\frac{1}{4}$.
~~30~~ 221 Grooved Axe, Baltimore, Md.; one side grooved; fine. $5\frac{1}{4} \times 3\frac{1}{4}$.
~~30~~ 222 Grooved Axe, Baltimore; edge chipped. $5 \times 2\frac{1}{2}$.
~~16~~ 223 Grooved Axe, Brown Deer, Wis.; good. $3\frac{1}{4} \times 2\frac{1}{2}$.
~~25~~ 224 Grooved Axe, W. Va.; of light colored material; fine. $4\frac{1}{4} \times 2\frac{1}{4}$.
~~30~~ 225 Grooved Axe, Franklin Co., Mo.; of close grained granite; fine. $5\frac{1}{4} \times 4\frac{1}{4}$.
~~60~~ 226 Grooved Axe of soft bluish material, Ky.; polished, fine. 6×3 .
~~90~~ 227 Grooved Axe, Western; the stone curiously veined; pretty and fine. $5\frac{1}{4} \times 3$.
~~50~~ 228 Grooved Axe from the Pennypacker Collection; granite; nearly square; very fine. 5×4 .
~~25~~ 229 Grooved Axe, Ind.; sides thin, polished; fine; $5 \times 3\frac{1}{2}$.
~~75~~ 230 Grooved Axe, Conn.; from the Ralston collection; very fine for a New England implement. $6\frac{1}{4} \times 4\frac{1}{2}$.
~~125~~ 231 Grooved Axe, Mass.; of large size and excellent quality for a N. E. implement. $8\frac{1}{2} \times 5$.
~~30~~ 232 Grooved Axes; pretty little grooved axes from W. Va. 2 pieces.
~~30~~ 233 Grooved Axe, O.; from the Ralston Col.: fine, very ancient. $5\frac{1}{4} \times 3\frac{3}{4}$.
~~1~~ — 234 Grooved Axe, Pa.; groove near the middle; *rare form*. $6\frac{1}{2} \times 3\frac{1}{2}$.
~~50~~ 235 Grooved Axe, Conn.; very good, but rude workmanship. $7\frac{3}{4} \times 3\frac{1}{4}$.
~~40~~ 236 Grooved Axe, N. E.; adze-shape; fine, *rare*. $4\frac{1}{2} \times 2$.
~~30~~ 237 Grooved Axe, N. H.; rude work: good, *rare*. $5\frac{3}{4} \times 3$.

CELTS, OR UNGROOVED AXES, ETC.

Under the general name of Celt I include all of those objects of American origin usually called Celts, Ungrooved Axes, Tomahawks, Chisels, Wedges, Skimmers and Peelers, also those called Wedges by European archaeologists. All these different American forms, if they are different, merge one into another by such slight gradations, that I confess, I often find it difficult to attribute to one its proper place in so complicated a classification, hence choose to designate them all by a single name and prefer the term Celt as brief and uniformly applicable.

- ~~6~~ 238 Celt, W. Va.; polished; fine. $3\frac{3}{4} \times 2$.

- 10 239 Celt, Gallia Co., O.; fine. $4\frac{1}{2} \times 2\frac{1}{4}$.
 20 240 Celt, Pa.; somewhat pestle-shape, being nearly circular, edge slightly chipped; fine. $8\frac{1}{2} \times 2\frac{1}{4}$.
 150 241 Celt, O.; of greenish mottled stone, polished; very fine. $6\frac{1}{2} \times 2\frac{1}{2}$.
 20 242 Celt, Pa.; fine grained granite, Pennypacker Col.; broad and thin; fine. $6\frac{3}{4} \times 3\frac{1}{4}$.
 130 243 Celt, O.; pecked, edge polished; fine. $6\frac{1}{2} \times 2\frac{1}{2}$.
 244 Celt, Mitchell Co., N. C., from the Spang Col.; extra size and quality. 9×3 .
 20 245 Celt, Mo.; polished, and very fine. $6 \times 2\frac{1}{2}$.
 20 246 Celt, Ga.; pointed top, somewhat resembles Carib work, polished; fine. $8\frac{1}{4} \times 2\frac{1}{4}$.
 20 247 Celt; oblong; fine. $4 \times 2\frac{1}{2}$.
 130 248 Celt; Shacklett, Ky; edge polished; very fine. 5×3 .
 10 249 Celt, New England; very fine for an Eastern implement, and *rare*. $9 \times 3\frac{1}{4}$.
 20 250 Celt, N. C.; of sharp grained sandstone, tapers towards the top; fine. $4\frac{1}{2} \times 2\frac{1}{4}$.
 ; 251 Celt, Montgomery Co., Pa.; dark stone; fine. $5\frac{1}{2} \times 2\frac{3}{4}$.
 ; 252 Celt, W. Va.; very fine. $4\frac{1}{2} \times 2\frac{1}{2}$.
 45 253 Celt, Oneida Co., N. Y.; very old, shows ancient repairing; very fine. $7\frac{1}{2} \times 2\frac{3}{4}$.
 20 254 Celt, of Southern origin; fine material and polished. $4\frac{1}{4} \times 2\frac{1}{4}$.
 10 255 Celt, Southern; material and work like the last. $3\frac{1}{4} \times 2$.
 18 256 Celt, W. Va.; partly polished; fine. $4\frac{3}{4} \times 2\frac{1}{2}$.
 50 257 Celt, O.; one surface flattened; very fine. $7\frac{1}{2} \times 2\frac{3}{4}$.
 50 258 Celt, Western; form like the last; very fine. $6\frac{3}{4} \times 2\frac{1}{2}$.
 20 259 Celt of similar form, probably from O.; fine. $6\frac{1}{2} \times 2\frac{1}{2}$.
 50 260 Celt, Brookfield, Wis.; top pointed; fine. $6\frac{1}{2} \times 2\frac{1}{2}$.
 110 261 Celt, near Milwaukee, Wis.; nearly oblong; top, square, polished; very fine. $5\frac{1}{2} \times 2\frac{3}{4}$.
 175 262 Celt, Mnskego Lake, Wis.; large and very fine. $7 \times 2\frac{1}{4}$.
 30 263 Celt, Port Washington; sides nearly parallel; very fine. $7 \times 2\frac{1}{2}$.
 9 264 Celt or Tomahawk, Brookfield, Wis.; expanding edge; very fine. $4\frac{1}{2} \times 2\frac{1}{4}$.
 40 265 Celt, Brookfield, Wis. $5 \times 2\frac{1}{4}$.
 20 266 Celt, Lake Muskego, Wis.; fine. $4\frac{1}{4} \times 2\frac{1}{4}$.
 75 267 Celt, Astburg; sharp, expanding edge; very fine. $3\frac{1}{2} \times 2\frac{1}{2}$.

- ~~20~~ 268 Celt, Economy, Ind.; edge diagonal; fine. $3\frac{3}{4} \times 2\frac{1}{4}$.
~~20~~ 269 Celt, called by the owner, a Hide Scraper, Patricksburg, Ind.; oval, very fine. $4\frac{1}{4} \times 2\frac{1}{4}$.
~~15~~ 270 Celt, or Scraper, Economy, Ind.; metamorphic state: fine. $2\frac{3}{4} \times 2\frac{1}{2}$.
~~20~~ 271 Celt, same locality; small size; very fine. $3 \times 1\frac{1}{4}$.
~~20~~ 272 Celt, Green Bay, Wis.; top broad with marks of use: fine. $4\frac{1}{2} \times 2\frac{1}{2}$.
~~25~~ 273 Celt, Wis.; fine. $4 \times 2\frac{1}{4}$.
~~25~~ 274 Celt, O.; of curious mottled stone; fine. 5×2 .
~~20~~ 275 Celt, W. Va.; nearly oblong; fine. $5 \times 2\frac{1}{4}$.
~~15~~ 276 Celt, New England; irregular; fine. $5\frac{1}{2} \times 2\frac{1}{2}$.
~~20~~ 277 Celt, Ky.; partly polished; fine. 6×2 .
~~75~~ 278 Celt, O.; one flat convex, the other not; very fine. $5 \times 2\frac{1}{2}$.
~~40~~ 279 Celt, Pa.; fine. $6\frac{1}{4} \times 2\frac{3}{4}$.
~~15~~ 280 Celt, O.; very good. $5 \times 2\frac{1}{4}$.
~~20~~ 281 Celt, O.; of dark mottled stone; oblong. $5\frac{3}{4} \times 2\frac{1}{4}$.
~~20~~ 282 Celt, O.; similar material; polished, fine. $4\frac{3}{4} \times 1\frac{3}{4}$.
~~1~~ 283 Celt, O.; triangular top, nearly pointed; fine. $4\frac{1}{4} \times 2\frac{1}{2}$.
~~25~~ 284 Celt; form closely resembling the West Indian implements; fine. $4 \times 1\frac{3}{4}$.
~~1.05~~ 285 Celt or Tomahawk, Conn.; expands from the middle toward the edge; rude workmanship, but fine and a *very rare* object. $6\frac{1}{4} \times 3\frac{1}{4}$.
~~20~~ 286 Celt, Pa.; slightly curved, fine; $5\frac{3}{4} \times 2\frac{1}{2}$.
~~25~~ 287 Celt, O.; appears to be of dense sandstone: top pointed, elegant in form and workmanship. $4\frac{1}{4} \times 2$.
~~15~~ 288 Celt, O.; very rude, resembling Eastern work. $3\frac{3}{4} \times 2\frac{1}{2}$.
~~1.10~~ 289 Celt, Henry Co., O.; bears a wonderful resemblance to Scandinavian work; appears to be of variegated flint or chert; fine, *rare*. $6\frac{3}{4} \times 2\frac{1}{2}$.
~~12~~ 290 Celts, O.; large size; a good lot. 3 pieces.
~~7~~ 291 Celts, O.; all good; 3 are fine. 5 pieces.
~~10~~ 292 Celts, O.; a selection; all good or fine. 5 pieces.
~~8~~ 293 Celts, O.; 4 are fine, 1 large, 1 slightly broken. 5 ps.
~~12~~ 294 Celts, O.; medium size; all good. 5 pieces.
~~14~~ 295 Celts, O.; medium size; the best lot. 6 pieces.

GOUGES, ETC.

- 25 296 Gouge or Adze, Belchertown, Mass.; back with longitudinal ridge and groove; a fine and *rare implement*. $7\frac{1}{2} \times 2$.
- 110 297 Gouge, Mass.; grooved its entire length; the top a little broken from use; very fine, *rare*. $5 \times 1\frac{3}{4}$.
- 50 298 Gouge, New England; top broken off, the remaining part very fine. $3\frac{1}{4} \times 1\frac{3}{4}$.
- 40 299 Gouge, New England; condition similar to the last; *rare*. $3\frac{3}{4} \times 1\frac{3}{4}$.
- 30 300 Adzetop hollowed, Gallia Co., Ohio; slightly chipped; fine. $5 \times 1\frac{1}{2}$.
- 110 301 Gouge, locality unknown; concavity very slight; perfect and *rare*. $5\frac{1}{2} \times 2\frac{1}{2}$.
- 10 302 Implement similar to the last; nearly as fine. $5\frac{1}{2} \times 2\frac{1}{4}$.
- 30 303 Celt, O.; one flat slightly hollowed, oblong. $4 \times 2\frac{1}{2}$.
- 30 304 Gouge, W. Va.; concavity very slight; perfect. $4\frac{1}{2} \times 2\frac{1}{4}$.
- 30 305 Celt, O.; one flat convex, the other slightly so; fine. $4\frac{1}{2} \times 2$.
- 306 Adze, O.; fine. $7\frac{1}{2} \times 2\frac{1}{2}$.
- 20 307 Implement like the last, O.; perfect, and of large size. $8\frac{1}{2} \times 3$.
- 160 308 Gouge-like implement, O.; edge broadly expanding, top pointed; perfect. $5\frac{3}{4} \times 2\frac{1}{4}$.
- 50 309 The same, O.; fine. $4\frac{1}{2} \times 2\frac{1}{4}$.
- 50 310 The same, O.; fine. $4\frac{1}{4} \times 2\frac{1}{4}$.
- 110 311 The same, O.; top not pointed; very fine. $5\frac{1}{2} \times 2\frac{1}{2}$.

COPPER IMPLEMENTS, ETC.

The objects of native copper, are, as is well-known, the rarest of all American prehistoric implements. The copper has in no case been melted, as in the opinion of leading archaeologists any method of treating the copper except by hammering, was unknown to the ancient North Americans.

- 7 312 Copper Arrow Point or Spear Head, with concave shank: Greenfield, Wis.; perfect. $3\frac{1}{4} \times \frac{5}{8}$.
- 20 313 Copper Arrow Point, Brookfield, Wis.; flat and thin, of very pretty and graceful form. $3 \times \frac{3}{4}$.

- 5.50 314 Copper Arrow Point or Spear Head, with shank; Elkhorn, Wis.: perfect. $3 \times \frac{3}{4}$.
- 315 Copper Spear Head, Stevens Point, Wis.; symmetrical. perfect. $3\frac{1}{4} \times \frac{7}{8}$.
10. — 316 Copper Gouge-Chisel, Rubicon, Wis.; this fine and remarkable implement is at one end a graceful, well-formed gouge, at the opposite end a chisel, nearly cutting edge at each extremity; perfect and *excessively rare*. $2\frac{1}{4} \times 1\frac{3}{8}$.
- 317 Copper Spear Head, Pewaukee, Wis.; broad, with socket; perfect. $4\frac{3}{4} \times 1\frac{1}{4}$.
- 14.25 318 Copper Axe, Brookfield, Wis.; thin, symmetrical, gradually curving and expanding from the top to the edge; the flats of this fine implement show perfectly the distinguishing marks of ancient workmanship; the curved edge has been improved by recent sharpening: perfect, and without doubt one of the finest examples existing. Length $5\frac{1}{4}$, breadth of the edge $2\frac{1}{8}$, of the top 1 in., thickness $\frac{1}{4}$ in.
- 9.25 319 Copper Spear Head, Pewaukee, Wis.; long, bayonet-shape, with shank; perfect. $6\frac{7}{8} \times 1$.
- 7.50 320 Copper Spear Head, Milwaukee; terminates in a well-defined socket; very fine. $3\frac{1}{2} \times \frac{5}{8}$.
12. — 321 Copper Knife, with buck-horn handle, plowed upon the Farris farm at Wauwatosa, Wis., in 1880. The blade of this knife, which is of excellent form, is 7 in. in length, besides the shank, the portion in the handle being one inch long; at the base the width of the blade is $1\frac{1}{8}$ in., at the opposite end $\frac{3}{8}$ in. The handle is the large end of a deer's horn, curved, and $6\frac{3}{4}$ in. in length. It is doubtful if any collection in the country can duplicate this piece, the handle of which is evidently coeval with the blade, and the blade is a perfectly unmistakable pre-historic object: the handle, where the blade enters, is split, and shows marks of decay; with this exception the object is substantially perfect; both blade and handle curve upward to quite an extent. Measured in a straight line from one extremity to the other the length is about 13 in.
- 4.50 322 Copper Tomahawk, Boultonville, Wis.: perfect. $3\frac{1}{4} \times 1\frac{1}{4}$.

The following seven lots are modern.

- 60 323 Iron Tomahawk, or Indian Axe, O.: probably of French manufacture: uncommon size, weighing 3 lbs. $7\frac{1}{2} \times 3\frac{3}{4}$.

- 324 Iron Tomahawk; small, of graceful form, top perforated for a pipe. $5 \times 1\frac{5}{8}$.
- 325 Iron Tomahawk from the bottom of an ancient mining shaft in N. C.; top perforated like the last; very fine. $5\frac{1}{2} \times 2\frac{1}{4}$.
- 326 Iron Tomahawk; miniature size, very old; from the Spang collection. $3\frac{1}{4} \times 1\frac{3}{4}$.
- 326a Iron Tomahawk, Wyandotte, O.; fine. $6 \times 2\frac{5}{8}$.
- 326b Iron Tomahawk, Fulton Co., O.; has round eye: rather unusual; fine. $5\frac{3}{4} \times 2\frac{1}{2}$.
- 326c Iron Tomahawk, O.; round eye; large size. $6\frac{3}{4} \times 2\frac{3}{4}$.
- 327 Bronze Celt, England, with double socket and loop. This Celt has been touched up with a file, but it is ancient, and it would be difficult to find a finer example; weight, $17\frac{1}{2}$ oz. $5\frac{3}{4} \times 2$.
- 328 Bronze Ornament with two perforations; triangular, with point truncated. $3\frac{1}{2} \times 2\frac{3}{4}$.
- 329 Bronze object; the head of an animal, found at Schlieben, Prussian Saxony. $2\frac{1}{4} \times 1\frac{3}{4}$.
- 330 Bronze ornament, Germany; square with beveled edges; hollow; very fine. $2\frac{1}{2} \times 1\frac{5}{8}$.
- 331 Bronze object, Germany; leg-shape; fine. $2\frac{3}{4} \times 1$.
- 332 Bronze object, Germany; much like the last. $3\frac{1}{4} \times \frac{3}{4}$.

OBJECTS OF HEMATITE.

This beautiful ore seems to have been with the aborigines a favorite material for the fabrication of their implements and ornaments. Most of these things are of small size, though objects of many pounds' weight are occasionally found; though the ore is somewhat widely distributed, the compact variety suitable for the purpose is by no means common, and the objects themselves are all comparatively rare, and a collection such as is here presented, has never before been offered at public sale. All of the specimens, with possibly one or two exceptions, are from Ohio or Western Virginia.

- 333 Celt; very ancient, surface disintegrated; fine. $2\frac{5}{8} \times 1\frac{1}{2}$.
- 334 Celt; fine. $2\frac{3}{8} \times 1\frac{1}{2}$.
- 335 Celt; nearly square, perfect. $2\frac{1}{2} \times 2$.
- 336 Celt; edge a little chipped, but fine. $2\frac{5}{8} \times 1\frac{3}{4}$.
- 337 Celt of uncommon size, and fine. 3×2 .
- 338 Celt; corner chipped, otherwise fine. $2 \times 1\frac{1}{2}$.

- 1— 339 Celt; edge broadly expanding, narrows at the top; very fine. $2\frac{1}{4} \times 1\frac{7}{8}$.
- 30 340 Celt; a trifle chipped, but very good. $2 \times 1\frac{5}{8}$.
- ' 341 Celt; the bit, or edge, only; very fine. $1\frac{3}{4} \times 1\frac{3}{4}$.
- 40 342 Celt; fine. $2 \times 1\frac{1}{2}$.
- 30 343 Celt; fine. $2 \times 1\frac{1}{2}$.
- ' 344 Celt; thin; fine. $2 \times 1\frac{3}{8}$.
- 20 345 Celt; broken. $1\frac{3}{4} \times 1\frac{7}{8}$.
- 10 346 Celt; broken, but nicely finished. $2 \times 1\frac{3}{8}$.
- 20 347 Celt; unfinished, but fine. $2\frac{1}{2} \times 1\frac{3}{4}$.
- 20 348 Celt; finely finished and polished, but side broken. $1\frac{3}{4} \times 1\frac{3}{8}$.
- 08 349 Celt; fine, with ancient polish. $2\frac{1}{8} \times \frac{1}{2}$.
- 20 350 Celt; top narrowed; good. $2\frac{1}{4} \times 1\frac{3}{8}$.
- ' 351 Celt; thin, irregular. $2\frac{1}{4} \times 1\frac{1}{4}$.
- 30 352 Celt; edge broken. $2\frac{7}{8} \times 1\frac{5}{8}$.
- 20 353 Celt; fine, but edge broken. $2\frac{1}{4} \times 1\frac{1}{2}$.
- ' 354 Celt; edge a little chipped. $2 \times 1\frac{1}{4}$.
- 30 355 Celt; fine work but imperfect. $1\frac{5}{8} \times 1\frac{3}{8}$.
- ' 356 Celt of small size, chipped. $1\frac{5}{8} \times 1\frac{1}{4}$.
- ' 357 Celt; $1\frac{1}{2} \times 1\frac{1}{8}$.
- 00 358 Celt; small; fine. $1\frac{5}{8} \times 1$.
- 10 359 Celt; small; very fine. $1\frac{5}{8} \times 1\frac{1}{8}$.
- 40 360 Celt; oval in form; fine. $2\frac{1}{4} \times 1\frac{1}{2}$.
- 20 361 Celt; edge chipped. $1\frac{5}{8} \times 1\frac{1}{8}$.
- 30 362 Celt; edge broken. $1\frac{3}{4} \times 1\frac{1}{2}$.
- ' 363 Celt; oval; fine. $2\frac{1}{2} \times 1\frac{1}{2}$.
- 1— 364 Quadrangular object of unknown use; fine; $2\frac{1}{2} \times 1$.
- 90 365 Hemisphere; slightly chipped, but fine; breadth $1\frac{1}{2}$ in.
- 110 366 Celt; a little beauty; perfect. $1\frac{1}{4} \times 1$.
- 18 367 Muller; fine; diameter $1\frac{3}{8}$.
- 20 368 Paint Stone; finely polished. $1\frac{1}{2} \times \frac{3}{4}$.
- ' 369 Celt, double edge. $1\frac{1}{4} \times \frac{1}{4}$.
- 30 370 Sinker; ovate, with groove near the centre; fine. $1\frac{5}{8} \times 1$.
- 75 371 Sinker; ovate, without groove; fine. 2×1 .
- 60 372 Sinker like the last; ore of unusually light color. $1\frac{5}{8} \times \frac{7}{8}$.
- 70 373 Sinker, ovate; elongated without groove; fine. $1\frac{3}{4} \times 1$.
- 20 374 Paint Stone; irregular form; fine. $1\frac{1}{4} \times 1\frac{1}{4}$.
- 130 375 Ball flattened on one side; partly wrought, partly natural surface. $2 \times 1\frac{3}{4}$.

- 376 Muller; ovate, with one side flattened; very fine.
 $2\frac{3}{8} \times 1\frac{5}{8}$.
- 377 Sinker; ovate, one end pointed; fine. $1\frac{3}{4} \times 1\frac{1}{8}$.
- 378 Target Stone; ovate, one end squared, so it may be set upright; very fine, *rare*. $1\frac{3}{4} \times 1\frac{1}{2}$.
- 379 Cone; beautifully polished; one of the finest hematite objects I have ever seen; *extremely rare*. Dia. $1\frac{3}{4}$, height $1\frac{1}{4}$.
- 380 Cone, or hemisphere; very fine. $1\frac{3}{4} \times 1\frac{1}{8}$.
- 381 Target Stone; ovate, with end squared; fine and *rare*.
 $1\frac{3}{4} \times 1\frac{1}{2}$.
- 382 Ornament; oval, ends truncated, one side flattened; fine, *rare*. $2\frac{1}{4} \times 1\frac{1}{4}$.
- 383 Celt, or ungrooved Axe, of unusual size; perfect.
 $4\frac{1}{2} \times 2$.

BANNER STONES, ETC.

- 384 Banner Stone, Hall Co., Ga.; granite; finished, with the exception of the perforation, which is commenced; very fine, *rare*. $4\frac{1}{2} \times 4$.
- 385 Banner Stone, Forsyth Co., Ga.; material similar to the last, and, like that, the perforation is incomplete; fine.
 $3\frac{1}{2} \times 2\frac{5}{8}$.
- 386 Banner Stone, Va.; semi-circular; perfect. $2\frac{5}{8} \times 1\frac{3}{4}$.
- 387 Banner Stone, O.; of ribbon slate; both ends pointed, one end slightly broken; fine. $3\frac{1}{2} \times 1\frac{1}{8}$.
- 388 Banner Stone, W. Va.; Celt form. I am inclined to think this is an ancient Celt with modern perforation.
 $3\frac{3}{4} \times 1\frac{3}{4}$.
- 389 Banner Stone, or flattened Bead, O.; metamorphic slate; very fine and *rare*. $2 \times 1\frac{5}{8}$.
- 390 Banner Stone, or large Bead, O.; $2\frac{5}{8} \times 2\frac{1}{8} \times 1\frac{7}{8}$.
- 391 Banner Stone, Economy, Ind.; broken in the middle, showing two ancient perforations, obviously made for the purpose of fastening the fragments together; curious and interesting as showing ancient method of repair. $6\frac{1}{4} \times 3$.
- 392 Banner Stone, Brookfield, Wis.; crutch-shaped and twisted; perforation unfinished; fine. $4\frac{1}{4} \times 1\frac{1}{2}$.
- 393 Banner Stone, Ind.; metamorphic slate; form like the last, no perforation; fine. $4 \times 1\frac{3}{8}$.

- 1.60 394 Banner Stone, near Pewaukee, Wis.; metamorphic slate; large portion of one wing gone; but originally very fine, and a *most rare form*. $4\frac{3}{4} \times 4\frac{1}{4}$.
- 35 395 Banner Stone, O.; crutch shape, both ends broken. $2\frac{1}{4} \times 1\frac{1}{4}$.
- 0.20 396 Boat-shaped object, O.; striped slate, two perforations; very fine and *rare*. $4\frac{3}{4} \times 1\frac{1}{2}$.
- 9.50 397 Boat-shaped object; the portion representing the keel much elongated, with longitudinal groove, perforation near each end; perfect, and an *excessively rare form*. $3\frac{1}{8} \times 1\frac{5}{8}$.
- 4 398 Ornament, or Gorget, O.; metamorphic slate, bar shape, thickest in the middle, lower surface hollowed, two large perforations; very fine and *very rare*. $4\frac{5}{8} \times 1\frac{1}{8}$.
- 2.20 399 Shuttle-shaped Object, Miami Co., O.; striped slate; very fine. $5\frac{1}{4} \times 2$.
- 60 400 Similar Object, O.; but not so large. $4 \times 1\frac{5}{8}$.
- 1.10 401 Shuttle-shaped Object, O.; thin, broad in the middle; very fine. $5 \times 1\frac{3}{4}$.
- 3 402 Plumb Bob; striped slate, ovate, one end brought to nearly a cutting edge, perforated; a beautiful object from the Pacific coast; *extremely rare*. $1\frac{3}{4} \times 1$.
- 1 403 Ear Ornament from a Missouri mound; similar form to the last; fine, *rare*. $1\frac{1}{8} \times \frac{1}{2}$.

GORGETS, PENDANTS, AND TUBES.

Nearly all of the following are from the Nissley Collection, and were obtained in those counties mentioned in the note preceding No. 35. Those with two perforations, or more, I designate as Gorgets, those with but one, as Pendants. Nearly all these objects are of slate, and mostly of that beautiful variety known as striped, or metamorphic slate.

- 1.60 404 Gorget; oblong, tapers towards the ends, perforations near together; fine. $5\frac{1}{4} \times 1\frac{1}{2}$.
- 30 405 Ornament without perforations; dark slate, tapering toward one end. $4\frac{3}{4} \times 1\frac{3}{4}$.
- 40 406 Pendant; curves laterally, one perforation near the centre. $4\frac{1}{2} \times 2$.
- 20 407 Ornament; one end narrowed and truncate. $3\frac{1}{2} \times 1\frac{3}{4}$.
- 408 Pendant; nearly square. $2\frac{1}{4} \times 2$.
- 20 409 Gorget; two small perforations; a little imperfect. $3\frac{3}{4} \times 2$.
- 00 410 Pendant; shaped like 407; very large perforation; fine. $4\frac{1}{4} \times 2\frac{1}{8}$.

- 411 Pendant; shaped like the last; perforation near the centre; very fine. $4\frac{1}{8} \times 2\frac{1}{4}$.
 412 Pendant; similar form, contracted in the middle, large perforation. $3\frac{1}{4} \times 2\frac{1}{8}$.
 413 Pendant; near Columbus, O.; fine. $4 \times 2\frac{1}{8}$.
 414 Pendant; shape like 407, Branch Co., Mich.; very fine. $3\frac{1}{2} \times 2\frac{1}{4}$.
 415 Pendant; elliptical, with square ends; fine. $4\frac{1}{4} \times 2$.
 416 Pendant; purple slate; one end narrow; fine. $4 \times 1\frac{1}{2}$.
 417 Pendant; nearly oblong; fine. 5×2 .
 418 Gorget; semi-elliptical, one end square, the other beveled from each side, curved, three perforations; fine, *rare form*. $4\frac{1}{2} \times 2\frac{1}{2}$.
 419 Pendant; blue slate; elongated oval, ends square, small perforation; fine. $3\frac{1}{4} \times 1\frac{3}{4}$.
 420 Ornament; flat, bar-shaped; very fine. $3\frac{1}{4} \times \frac{3}{4}$.
 421 Pendant; contracted in the middle, ends enlarged and rounded; very fine. $4\frac{1}{4} \times 2$.
 422 Pendant; dark slate; very fine. $4\frac{1}{2} \times 1\frac{1}{2}$.
 423 Pendant; purple slate; ends and sides rounded, plano-convex; very fine. $4\frac{1}{8} \times 2\frac{1}{4}$.
 424 Pendant; oblong; very fine. 4×2 .
 425 Pendant; one end square, the other rounded, the middle contracted, perforation near the square end; v. fine.
 426 Pendant; narrows towards the top; perfect, finely finished. 4×2 .
 427 Gorget; striped slate; elliptical, wrought across the grain. 5×2 .
 428 Pendant; narrow at the top; fine. $4\frac{1}{4} \times 1\frac{3}{4}$.
 429 Gorget; very fine, but broken through one hole. $3\frac{1}{4} \times 1\frac{3}{4}$.
 430 Ornament, or Cord Winder; very fine. $4 \times 2\frac{3}{4}$.
 431 Pendant; beautifully finished, perfect. $3\frac{3}{4} \times 1\frac{2}{5}$.
 432 Pendant; edge curved outward, a remarkable form. $4\frac{3}{4} \times 1\frac{3}{4}$.
 433 Pendant; massive, ends rounded; very fine. $4\frac{1}{2} \times 2\frac{1}{4}$.
 434 Pendant; shape like No. 426; fine. 4×2 .
 435 Pendant; striped slate; narrows in the middle, wrought directly across the grain; very fine. $4\frac{1}{4} \times 1\frac{3}{8}$.
 436 Gorget, Durham, O.; wrought in the manner of the last, from the same material; very fine. $4 \times 1\frac{5}{8}$.
 437 Pendant; long, narrow, contracted in the middle; *rare form*, fine. $5\frac{1}{4} \times 1\frac{1}{2}$.

- ~~20~~ 438 Pendant; striped slate; very fine. $3\frac{1}{2} \times 2$.
~~20~~ 439 Pendant; small size; fine. $2\frac{3}{4} \times 1\frac{3}{8}$.
~~25~~ 440 Pendant; oval. $3\frac{1}{8} \times 2\frac{1}{8}$.
~~1~~ 441 Pendant; similar form; very fine. $3 \times 1\frac{7}{8}$.
~~1~~ 442 Pendant; beautiful work and material. $3\frac{1}{4} \times 2$.
~~35~~ 443 Gorget; elliptical, with ends rounded; v. fine. $4\frac{5}{8} \times 1\frac{1}{2}$.
~~40~~ 444 Ornament; shuttle-shaped; fine. $3\frac{1}{4} \times 1\frac{1}{2}$.
~~20~~ 445 Celt-shaped Ornament. $5\frac{1}{2} \times 1\frac{1}{2}$.
~~60~~ 446 Ornament, or narrow Celt; purple slate; v. fine. $4\frac{1}{2} \times 1$.
~~40~~ 447 Ornament, or Celt, with broad handle. $5\frac{1}{4} \times 1\frac{1}{2}$.
~~50~~ 448 Ornament, or perhaps a digging implement, Hancock Co., O.; both edges have been used as a tally stone. $8\frac{3}{4} \times 2\frac{3}{4}$.
~~19~~ 449 Banner Stones, mostly from Ohio; a great variety of fragments; most of the specimens show at least half of the object, thus allowing of extension, and accurate representation on paper, some of rare form and fine finish; the lot would be a desirable accession to almost any cabinet. 14 pieces.
~~1~~— 450 Tube; broken, but fine work. Length $3\frac{3}{4}$ in.
~~1.75~~ 451 Tube; enlarged in the middle; perfect. $3\frac{3}{4} \times 1\frac{3}{4}$.
~~1~~— 452 Tube, O.; striped slate; fine. $2\frac{3}{4} \times 1\frac{1}{4}$.
~~20~~ 453 Tube; flattened, one end broken. $2 \times 1\frac{7}{8}$.
~~50~~ 454 Tube; broken. $3\frac{3}{4} \times 1\frac{1}{8}$.
~~1~~ 455 Tube; perforation extends only part of the length. $2\frac{3}{4} \times 1\frac{1}{4}$.
~~1.10~~ 456 Tube; contracts towards one end; fine. 3×1 .
~~15~~ 457 Whorl Stone, Economy, Ind. Diameter $1\frac{7}{8}$.

PIPES.

- ~~4~~— 458 Calumet, Polk Co., Tenn.; the base of this pipe has a serpent carved on it, extending the entire length; it is a very fine object, its authenticity guaranteed by the former owner. Some recent purchases of an undoubtedly fraudulent character, lead me to question the genuineness of this otherwise most valuable piece, which I am still much inclined to believe is genuine; if authentic, certainly one of the most desirable pipes ever offered for sale; if false, a superb example of the ingenuity of the Southern Flint Jack; in either case worth \$20, the sum paid for it; red sandstone. $5\frac{1}{8} \times 3\frac{1}{2}$.

- 9 459 Pipe, said to have been dug from the banks of the Merrimack River in N. H.; soapstone; modern without doubt, but a good specimen of pretended Indian work. $6\frac{1}{4} \times 2\frac{1}{8}$.
- 50 460 Turkish Pipe of red glazed pottery; gilt, highly ornamented, color much like red catlinite; fine. $3\frac{3}{4} \times 1\frac{3}{4}$.
- 20 461 Cast in plaster of a remarkable sculptured stone, found near Brookville, Ind.; represents the head of a bird; at the back of the skull is carved a death's head: this strange object is pictured in Ancient Monuments of the Miss. Valley, fig. 187, 188. $3\frac{3}{4} \times 2\frac{3}{4}$.
- 462 Pipe, from Vancouver's Island; a combination of monstrous figures; plaster cast, fine. $3\frac{1}{2} \times 2\frac{1}{2}$.
- 20 463 Pipe, Pueblo Indians, New Mexico; fine, *rare*. $2\frac{1}{2} \times 1\frac{1}{8}$.
- 60 464 Frog Pipe, from Alaska; wood, with metal lining; fine and *very rare*. $3 \times 1\frac{1}{4}$.
- 20 465 Indian Pipe: stone; old, but not pre-historic, probably of old Cherokee work. $2\frac{5}{8} \times 1\frac{7}{8}$.
- 50 466 Composite Pipe, purchased from a Sionx Indian: the bowl, of terra cotta, appears to be of Oriental work, as well as one of the stem ornaments, which is lacquered; another is of verd antique, another of amber: a curious pipe. With stem, length $8\frac{1}{2}$ in.
- 20 467 Ancient Pipe; of sandstone, approaching in form the ordinary clay pipe; fine. $2\frac{1}{8} \times \frac{7}{8}$.
- 18 468 A Pipe bowl, and fragment of the stem, soapstone, ploughed up by J. Lynn on his farm, Wadsworth, O.: modeled after the English pipe. $2\frac{1}{4} \times \frac{7}{8}$.
- 469 Stone Calumet, Ga.; of graceful form and perfect: the stem ten-sided, base of the bowl, wedge-shaped. One of the finest stone pipes that I have ever met with. $4\frac{1}{2} \times 3\frac{7}{8}$.

PESTLES, HAMMERS, ETC.

- 470 Pestle, Economy, Ind.; mushroom-shaped, shows the depression in the head; fine. $5\frac{1}{2} \times 3\frac{1}{4}$.
- 50 471 Pestle, like the last, same locality. $5 \times 3\frac{1}{2}$.
- 472 Pestle, same variety and locality: best of the lot. $4\frac{1}{4} \times 4$.
- 50 473 Pestle, same variety and locality. $5\frac{1}{2} \times 3\frac{1}{4}$.
- 60 474 Long Pestle flattened, Boston, Oregon: *rare* form and locality; fine. $8\frac{1}{2} \times 2\frac{3}{8}$.

- 60 475 Long Pestle, called by the owner a Tanning Stone, Milwaukee, Wis.; the weathering proves it to be of great antiquity. $8\frac{1}{4} \times 2$.
- 4.50 476 Long Pestle, N. J.; symmetrical and very fine, rarely met with of such magnitude. $18\frac{1}{2} \times 2\frac{1}{2}$.
- 1.— 477 Grooved Hammer; this implement is rarer than the grooved axe, is found in the proportion of perhaps 1 to 100; fine. $2\frac{3}{4} \times 2\frac{1}{4}$.
- 1.— 478 Grooved Hammer, Economy, Ind.; fine. $3 \times 2\frac{3}{4}$.
- 1.10 479 Grooved Hammer, same locality; fine. $3 \times 2\frac{7}{8}$.
- 30 480 Grooved Hammer, same locality, smaller size.
- 45 481 Grooved Hammer, Economy, Ind.; very fine. $2\frac{1}{4} \times 2\frac{1}{4}$.
- 40 482 Grooved Hammer, same locality; fine. $3 \times 2\frac{3}{4}$.
- 1 483 Grooved Hammer, Economy, Ind.; fine. $3 \times 2\frac{1}{2}$.
- 1 484 Grooved Hammer, Ind.; fine. $3 \times 2\frac{1}{2}$.
- 2.90 485 An object that I have not elsewhere seen; in form a celt with round body and pointed top, the edge smoothly finished; an inch above the edge a well-defined groove extends around the implement, and an inch above the groove both flats are grooved. Near Waukeesha, Wis.; perfect, and so far as I am aware *unique*. $6 \times 2\frac{1}{8}$.
- 40 486 Narrow Celt or Chisel, Brookfield, Wis.; very fine. $4\frac{1}{4} \times 1\frac{1}{4}$.
- 2 487 Pottery fragments, Fla., one elaborately ornamented. 2 pieces.
- 40 487a Fragments of Indian Pottery from an Indian grave, Lancaster Co., Pa. From the Ralston Col. 25 pieces.

DISCOIDAL STONES AND DISCS.

- 3, — 488 Double-convex Discoidal, Swan Co., Western N. C., from the Spang Col.; chalcedony; very fine. Dia. $4\frac{2}{3}$, thickness $1\frac{1}{2}$.
- 45 489 Bung-shaped Disc, plano-convex, ferruginous quartz, N. C. $2\frac{3}{4} \times 1\frac{3}{4}$.
- 60 490 Disc, E. Tenn.; very fine. $2\frac{1}{2} \times 1\frac{1}{4}$.
- 50 491 Bung-shaped Disc, Clay Co., Southwest N. C.; perfect. 2×1 .
- 1.20 492 Disc, Southwest N. C.; light-colored quartzite; very fine. $3\frac{3}{8} \times 1\frac{1}{4}$.
- 40 493 Disc, Tenn.; chipped, otherwise very fine. $3 \times 1\frac{1}{2}$.

- 494 Double-concave Discoidal, O.; edge beveled; fine.
 $5\frac{1}{4} \times 2\frac{1}{2}$.
 495 Double-concave Discoidal, Cherokee Co., N. C.; evi-
 dently of great antiquity; fine. $4\frac{1}{2} \times 1\frac{1}{2}$.
 496 Double-concave Discoidal, Franklin Co., Mo., from the
 Spang Collection; fine. $4 \times 2\frac{1}{4}$.
 497 Double-concave Discoidal, Polk Co., Tenn.; a little
 chipped, but fine. $5\frac{1}{4} \times 1\frac{1}{2}$.
 498 Double-concave Discoidal; smoky quartz; concavities
 very deep, a beautifully finished object; a little
 chipped, but still very fine and most desirable; cost
 me \$20. $5\frac{3}{4} \times 2\frac{1}{2}$.
 499 Double-concave Discoidal, Ga.; of tinted translucent
 quartzite; perfect, the most desirable object in the
 sale. $4\frac{3}{4} \times 2$.
 500 Stone Balls, Wis.; one polished, both good. Diameter,
 $2\frac{1}{2}$ in. 2 pieces.

DRILLS.

Every collector knows a perfect Stone Drill to be a very rare object; such specimens as the following are seldom found.

- 501 Drills, Wis.; all fine, average length more than 2 in.
 5 pieces.
 502 Drills, Wis.; a similar lot; fine. 5 pieces.
 503 Drill and Arrow Points, Wis.; good lot. 4 pieces.
 504 Drill, with handle, Wis.; very fine. $2\frac{7}{8}$.
 505 Drill, with broad handle, Brookfield, Wis. $2\frac{3}{8}$.
 506 Drill, O., with barbed handle and notched base; a *rare*
form. $2\frac{7}{8}$.
 507 Drill, O.; chalcedony; a beauty. 3.
 508 Drill, O.; of great size; very fine. $4\frac{1}{2}$.
 509 Drill, O.; broad handle; perfect. $3\frac{1}{8}$.
 510 Drill, O.; perfect. $4\frac{3}{4}$.
 511 Drill, O.; quadrangular; perfect. $3\frac{1}{2}$.
 512 Drill, O.; quadrangular; finest in the lot. $3\frac{3}{8}$.
 513 Drill, O.; with gimlet-like handle; very fine. 3.
 514 Drill, O.; with slight curve; perfect. 3.
 515 Drill, O.; large; very fine. $3\frac{3}{4}$.
 516 Drill, O.; beautifully variegated chalcedony; the base
 or handle rounded smooth and notched, point broken;
 very fine. $1\frac{3}{4}$.
 517 Drill; with round handle, point broken; very fine. $3\frac{1}{8}$.

SCANDINAVIAN.

The following lots, illustrating most of the forms of Pre-historic Stone Implements, are added here, as such specimens are most desirable to American collectors for purposes of comparison; they are only obtained with difficulty, the Danish government prohibiting their exportation; they are fine specimens from the Ralston Collection, which beyond question surpassed any other private collection in America. All are from the north of Europe, and nearly all from Denmark, hence it is not thought necessary to mention the precise place of finding.

- 1.20 518 Celt; paleolithic; perfect, and evidently of great antiquity. $8 \times 3\frac{1}{2}$.
- 0.7 519 Celt; beautifully variegated flint, paleolithic; square head, expanding edge, carved corners; perfect. $9\frac{1}{4} \times 3$.
- 1.15 520 Gouge, invoiced by the European dealer as a hollow chisel; very old; fine. $5\frac{1}{2} \times 2$.
- " 521 Narrow Chisel; carved corners, thick in the middle, top has nearly a cutting edge; very fine. $5\frac{7}{8} \times 1\frac{1}{4}$.
- 0.2 522 Celt; flint, neolithic; flats and sides polished; very fine. $5\frac{1}{2} \times 2\frac{1}{8}$.
- 9 523 Celt; flint; edge expanding, top thin; fine. $6 \times 2\frac{1}{4}$.
- 1.40 524 Celt; reddish flint; polished, top thin; very fine. $5\frac{1}{2} \times 2\frac{1}{2}$.
1. 525 Celt; polished flats, with newly chipped edge; fine. $7\frac{1}{4} \times 3\frac{1}{4}$.
- 1.12 526 Celt; dark purple flint; flats polished; fine. $6\frac{1}{4} \times 3\frac{1}{4}$.
- 1.20 527 Celt; reddish flint; broad and thin, flats beautifully polished; very fine. $4\frac{1}{2} \times 2\frac{1}{2}$.
- 1.60 528 Celt; light-colored flint; thick in the middle, with square top, flats polished; very fine. $6\frac{1}{2} \times 2\frac{1}{4}$.
- 1.40 529 Celt, Germany; flesh-colored flint, square top, sides expanding, flats polished; very fine. $5\frac{1}{4} \times 2\frac{1}{4}$.
- 1.30 530 Celt, Germany; of yellow flint; top rounded, sides and flats polished; very fine. $4\frac{1}{4} \times 1\frac{3}{4}$.
- 1.50 531 Narrow Chisel, Germany; dark flint, paleolithic; very fine. $6\frac{1}{2} \times 1\frac{1}{8}$.
- 4.20 532 Large granite Celt, England; symmetrical and finely finished, in form approaching oval; *very rare*. $7 \times 3\frac{1}{4}$.
- 1.50 533 Perforated granite Celt, Norway; fine, a *very rare* form. $4 \times 2\frac{1}{2}$.
- 2.00 534 Dagger; flint; square handle; fine. $5\frac{3}{4} \times 1$.
- " 535 Broad Lance Head; flint; a little notch in the edge, expanding in the middle, top thin; fine, *rare*. $6\frac{3}{4} \times 2$.

- 2, — 536 Lance Head; flint; beautiful workmanship. $6 \times 1\frac{1}{2}$.
 1.50 537 Lance Head; flint; point broken; fine. $5\frac{3}{4} \times 1\frac{1}{4}$.
 1.50 538 Lance Head; flat, finely made. $5\frac{1}{2} \times 1\frac{1}{8}$.
 1.20 539 Lance Head; of reddish flint; point broken. 5×1 .
 3, — 540 Great Arrow Head of black flint. Amongst Scandinavian relics an arrow head is one of the rarest. In a collection comprising between one and two thousand pieces, I found only about a dozen arrow points; very fine. $4 \times 1\frac{1}{8}$.
 3, — 541 Lance Head; beautifully wrought and of rich colored flint. 5×1 .
 2.00 542 Sacrificial Knife, Germany; flint; one edge serrated; very fine. $5\frac{1}{2} \times 1\frac{1}{2}$.
 1.50 543 Semi-lunar Knife, Germany; dark translucent flint; fine. $3\frac{3}{4} \times 1\frac{1}{2}$.
 50 544 Flint core from which knives have been flaked, Germany; very fine. $6 \times 1\frac{5}{8}$.
 1.20 545 Great Arrow Point: flint; elliptical, with rounded base; very fine. 4×1 .
 30 546 Flaked Knife; flint; fine. $4\frac{1}{4} \times \frac{3}{4}$.
 40 547 Large flaked flint Knife; very fine. $5\frac{1}{4} \times 1\frac{1}{8}$.
 1.10 548 Amazon Axe; of dark basaltic rock; originally of beautiful form and workmanship, the ends unfortunately broken, still very desirable. $5\frac{1}{2} \times 2$.
 4.75 549 Perforated Hammer Axe; of dark stone; of fine form and finish; perfect. $4\frac{1}{2} \times 2\frac{1}{2}$.
 2.50 550 Perforated Hammer; perforation near the head, material sandstone; very fine. $4\frac{1}{2} \times 1\frac{5}{8}$.
 50 551 Rubbing Stone; used in the neolithic period for polishing flint implements: fine, *rare*. $4\frac{1}{4} \times 1\frac{3}{4}$.



ANNOUNCEMENT.

On the day or days succeeding the sale of the Ely Collection, it is my intention to offer at the usual place, by auction, a variety of miscellaneous objects, including the following:—

A NUMISMATIC LIBRARY

of considerable extent, a recent importation from London; a collection of Confederate Books, purchased by me on a recent visit to Richmond; a number of Trials, and other books and pamphlets relating to crime; Books and Tracts on Local History and Genealogy; a large number of Japanese Netsukes and other carvings; some Boxes and bric-a-brac in silver, ivory and other materials; a little selection of Pre-Historics, principally in stone; several consignments of Postage and Revenue Stamps, Fractional Currency, Confederate and other paper money; together with a great variety of odds and ends, such as are sure to accumulate in the hands of the dealer in coins and curiosities.

For the above sale I will be glad to receive consignments, large or small. Such consignments should be sent to me immediately to insure proper classification, the catalogue being already in progress.

Other sales will occur during the season; the stock for which, now on hand, is ample, but the time and other particulars are not yet settled.

I will be glad to receive consignments of coins, medals, bric-a-brac, archaeological objects, books, etc., for auction or private sale, from owners or representatives of estates. To all such consignments, from home or abroad, I will give careful attention using every proper effort to insure satisfactory returns. Specimens of catalogues sent on application. Prompt attention given to correspondence on the subject. Satisfactory references furnished when desired. Charges always reasonable and as low as can be afforded for the service rendered.

W. ELLIOT WOODWARD.

American Numismatic Society



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